

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions and listings of claims in the application.

1. (amended) A system for two-way radio communication comprising:

(a) a first two-way radio comprising:

- (i) a means for exchanging a two-way radio communication with a base/repeater station; and
- (ii) a means for selecting and transmitting a signal code to said base/repeater station;

(b) a base/repeater station comprising:

- (i) a base/repeater station decoder for decoding the signal code from said first two-way radio into a signal that can be recognized by a base/repeater station controller and transferring said signal to said base/repeater station controller; and
- (ii) wherein said base/repeater station controller comprises a means for receiving said decoded signal from said base/repeater station decoder and correlating said decoded signal to one or more internet addresses associated with one or more target base/repeater stations and a means for establishing a bi-directional computer network link with said at least one target station for real time voice and/or data communications;

(c) at least one target station comprising:

- (i) a target station controller a means for establishing a bi-directional computer network link with said base/repeater station for real time

voice and/or data communications from said base/repeater station controller and comprising a means for transferring a signal comprising said real time voice and/or data communications to a target station encoder; and

(ii) wherein said target station encoder receives said real time voice and/or data communications from said target station controller and encodes said signal into a signal code that can be recognized by a second two-way radio; and

(d) at least one second two-way radio comprising a means for exchanging two-way radio communications with a target station and means for receiving said signal code from said target station encoder and

(e) wherein the system can be practiced in reverse.

2. (original) A system as defined in Claim 1 wherein said means for selecting a signal code to said base/repeater station is a keypad device.

3. (original) A system as defined in Claim 1 wherein said means for selecting a signal code to said base/repeater station is channel selector device.

4. (amended) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.

5. (original) A system as defined in Claim 1 wherein said signaling method comprises a modulated RF carrier.

6. (amended) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following communication protocols: LTR (Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), conventional (non-trunked) or any combination thereof.

7. (original) A system as defined in Claim 1 wherein said base/repeater station means for correlating the signal to one or more internet addresses associated with a target station is a computer based radio controller that contains a relational data base.

8. (amended) A system as defined in Claim 1 wherein the Internet address is an IP address.

9. (amended) A system as defined in Claim 1 wherein said means for establishing a bi-directional computer network link with one or more target base/repeater stations is a voice communication system selected from a group consisting of conventional, trunked radio systems or combinations thereof.

10. (original) A system as in Claim 1 wherein said at least one secondary two-way radio is further comprised of a means for transmitting a signal code.

11. (amended) A method for conducting two-way radio communication, said method comprising:

- (a) transmitting a signal code and two-way radio communication from a first two-way radio to a base/repeater station;
- (b) decoding said signal code and correlating said decoded signal code to one or more internet addresses;
- (c) establishing a computer network link between said base/repeater station and a target station through said internet address;

(d) exchanging real time voice and/or data communications over said computer network link;

(e) transmitting said real time voice and/or data communications from said target station to a second two-way radio and

(f) repeating steps (a) through (e) in reverse.

12. (original) A method as defined in Claim 11 wherein said signal code is selected on a keypad device.

13. (original) A method as defined in Claim 11 wherein said signal code is selected on a channel selector device.

14. (amended) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.

15. (amended) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following communication protocols: LTR (Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), or any combination thereof.

16. (original) A method as defined in Claim 11 wherein said signal code is correlated to one or more internet addresses associated with a target station by a radio controller using a computer based relational data base and a suitable decoder.

17. (original) A method as defined in Claim 11 wherein the Internet address is an IP address.

18. (amended) A method as defined in Claim 9 11 wherein said bi-directional computer network link with one or more target base/repeater stations is established by a voice communication system selected from the group consisting of trunked, conventional radio systems or a combination thereof.